



**Centers for Disease Control and Prevention
Office of Public Health Preparedness and Response**



Small Business Innovation Research

Background

The Office of Public Health Preparedness and Response (OPHPR) funds projects through the CDC's Small Business Innovation Research (SBIR) program. To effectively support CDC's health promotion and disease prevention needs and goals, SBIR promotes research and development from small businesses through competitively awarded grants and contracts.

SBIR is a three-phase process: Phase I, technology feasibility is determined and grants or contracts up to \$150,000 are awarded for six months. Phase II, the necessary research and development is accomplished to produce a well-defined product or process; awards are up to \$1,000,000 for 2 years and successful Phase I grant or contract awardees are eligible. Phase III is the commercialization of the technology using private sector or federal agency (non-SBIR) funding to commercialize a Phase II project result. To apply to CDC's SBIR program, please visit www.sbir.gov where CDC topics are posted on the National Institutes of Health (NIH) Omnibus Solicitation.

Research Interests

OPHPR supports the nation to prepare for and respond to urgent threats to the public's health through an all-hazards approach to preparedness that focuses on threats from natural, biological, chemical, nuclear, and radiological events. The mission of OPHPR is to safeguard health and save lives by providing a platform for public health preparedness and emergency response. OPHPR has primary oversight and responsibility for programs that comprise the public health preparedness and emergency response portfolio at CDC. Preparedness-related SBIR topics considered for funding by OPHPR for Phase I from 2008-2009 have included:

- Computer-Based Models For Evaluating Strategies and Outcomes in Pandemic Preparedness
- Development of an Improved Reusable Insulated [Cold-Chain] Shipping Container (ISC)
- Training in Public Health Ethics for Public Health Responders
- State, Local, Community and Faith-Based Tools and Resources for Protecting Vulnerable Populations from Excess Health Burden During All-Hazards Events
- Pre-Hospital Transport Vehicle for the Acutely Injured
- Technologies for Rapid and Efficient Communication in Emergency Response

Currently Funded SBIR Projects (Fiscal Year 2010¹, Phase I)

- Cell Podium, LLC, “Interoperable Mobile Multimedia for Emergency Response”
- Center for Social Innovation, “Ready: A Multi-Media Disaster Preparedness Tool for Homeless Services”
- Triton Systems, Inc., “Improved Reusable Insulated Shipping Container”

Previously Funded SBIR Projects (Fiscal Year 2009², Phase I)

- Benten Technologies, Inc., “Real-Time Planning and Training System to Improve Long-Term Care Disaster Preparedness”
- Touchtown, Inc., “ZigBee-Based System for Rapid and Efficient Communication and Emergency Response”

Previously Funded SBIR Projects (Fiscal Year 2008³, Phase I)

- Algenta Technologies, LLC, “Environmental Monitoring Systems for Forward Placed Assets”
- Autonomous Innovations, Inc., “Environmental Monitoring Systems for Forward Placed Assets”
- Greenwave Systems, “Environmental Monitoring Systems for Forward Placed Assets”

More Information

For more information, go to <http://emergency.cdc.gov/cdcpreparedness/science/research> or contact the Extramural Research Program, CDC, Office of Public Health Preparedness and Response (ophpr_extramuralres@cdc.gov).

¹ 10/1/10-9/30/11

² 10/1/09-9/30/10

³ 10/1/08-9/30/09